| ar or every recorpt date. Tall 1/20 | 100270 | DI " UMO. 104 | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|------------------------|-----------------|--|
| FORM PTO-1449/A and 9 (modified PTO/98/08) | APPLICATION NO.: | 10/627,331 | ATTY, DOCKET NO. | C1039,70078US00 | |
| INFORMATION DISCLOSURE | FILING DATE. | July 25, 2003 | CONFIRMATION NO.: 4342 | | |
| STATEMENT BY APPLICANT | APPLICANT: | Krieg et al. | A | | |
| Sheet 1 of the state of the s | GROUP ART UNIT: | 1648 | EXAMINER. | Emily M. Le | |
| | | | | | |

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| Examiner's | Cite | Department Document | grid. | Name of Patentee or Applicant of Cited | Date of Publication or Issue |
|-----------------------------------------|------|---------------------|--------------|----------------------------------------|---------------------------------|
| laitėsis * | No. | D Patent Docu | Kund Code | Document | of Cited Document MM-DD-YYYY |
| | | 5,567,604 | | Rando ei pl. | 10-22-1996 |
| | | 5,576,382 | | Cook et al. | 11-19-1996 |
| | | 5,658,891 | | Oraper et al. | 08-19-1997 |
| | | 5,663,153 | | Hutcherson et al. | (19-02-1997 |
| | | 5,723,305 | | Hutcherson et al. | 03-03-1998 |
| | | 5,728,518 | | Carmichael | 03-17-1998 |
| | | 5,985,662 | | Anderson et al. | 11-16-1999 |
| | | 6,221,882 | B1 | Macfariane | 04-24-2001 |
| | T | 6,399,630 | 181 | Masfarlane | 06-04-2002 |
| | | 6,479,594 | BI | Macfarlane et al. | 11-12-2002 |
| | 1 | 6,563,533 | 181 | Korba et al. | 01-07-2003 |
| | 1 | 6,521,637 | B2 | Macferiene | 02-18-2003 |
| *************************************** | 1 | 6,727,230 | 81 | Hutcherson et al. | 94-27-2064 |
| | | 6,821,957 | 81 | Krieg et al. | 11-23-2004 |
| | | 6,943,240 | 82 | Bauer et al. | 09-13-2905 |
| *************************************** | | 6,949,520 | BI | Hartmann et al. | 09-27-2005 |
| *************************************** | | 7,001,890 | 81 | Wagner et al. | 62-21-2006 |
| | - | 7,223,741 | 82 | Krieg | 05-29-2007 |
| | | 7,271,156 | 32 | Krieg et al. | 07-18-2007 |
| | | 2001-0944416 | Al | McCluskie et al. | 11-22-2001 |
| | | 2002-0086839 | Al | Raz es al. | 07-94-2092 |
| *************************************** | | 2002-0091097 | Ai | Braczier et al. | 07-11-2002 |
| *************************************** | | 2092-0164341 | Al | Davis et al. | 11-07-2002 |
| | | 2002-0165178 | Al | Schetter tit al | 11-67-2002 |
| | | 2002-0198165 | Αŧ | Bratzler et al. | 12-26-2002 |
| | | 2003-0026782 | Al | Krieg | 02-02-2603 |
| | | 2003-0026801 | Al | Weiner et al. | 02-06-2003 |
| | | 2003-0050268 | A1 | Krieg at al | 03-13-2003 |
| | T | 2003-0055014 | Αſ | Bratzler | 03-20-2063 |
| | T | 2063-6091599 | ΑI | Davis et al. | 65-15-2063 |
| | 1 | 2063-0100527 | AL | Kriog et al. | 05-29-2003 |
| | 1 | 2003-0139364 | A) | Knieg et al. | 07-24-2003 |

| EXAMINES: | DATE CONSIDERED. |
|-----------|------------------|
| /E.L.i | 62/17/2008 |

^{*}EXAMBLE: Institut it reference considered, whether or existinates is in conformance, with MPEP 699, Draw have through chanics of min in conformance and not considered laterate copy of this ferrir with next communication to applicate.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /ELL/

| | . 0 0 401 10 | | | |
|--------------------------------------------|------------------|---------------|-----------------------------------------|-----------------|
| FORM PTO-1449/A and B (modified PTO/SB/08) | APPLICATION NO.: | 10/627,331 | ATTY, DOCKET NO. | C1039 70078US00 |
| INFORMATION DISCLOSURE | FILING DATE: | July 25, 2003 | CONFIRMATION NO.: | 4362 |
| STATEMENT BY APPLICANT | APPLICANT: | Kneg et al. | *************************************** | |
| Sheet 7 6f 12 | GROUP AST UNIT. | 1648 | EXAMINER: | Early M. Le |

| 2003-0148316 | Al | Lipford et al. | 08-07-2003 |
|---------------------|-----|-----------------|------------|
| 2003-0148976 | Al | Krieg et al. | 98-07-2003 |
| 2003-0166001 | Al | Lipford | 09-04-2003 |
| 2003-0181406 | Al | Schetter et al. | 09-25-2003 |
| 2003-0191079 | Al | Krieg et at. | 16-09-2003 |
| 2003-8224010 | A) | Davis et al. | 12-04-2003 |
| 2003-6232074 | A1 | Lipford et al. | 12-18-2003 |
| 2003-0232780 | A) | Carson et al. | 12-18-2003 |
| 2003-0232856 | Al | Macfarlanc | 12-18-2003 |
| 2004-0006010 | Al | Carson et al. | 01-08-2004 |
| 2004-0006034 | Al | Raz et al. | 01-68-2004 |
| 20/14-(10/19949 | Al | Krieg | 01-15-2004 |
| 2004-0030118 | Al | Wagner et al. | 02-12-2004 |
| 2004-0053880 | Al | Krieg | 63-18-2004 |
| 2094-0067902 | A9 | Bratzler et al. | 04-08-2004 |
| 2004-0067905 | Al | Krieg | 04-08-2064 |
| 2904-0087534 | Al | Krieg et al. | QS-06-2004 |
| 2004-0087538 | Al | Krieg et al. | 85-66-2004 |
| 2004-0092468 | Al | Schwartz et al. | 05-13-2004 |
| 2004-0092472 | AI | Krieg | 05-13-2004 |
| 2904-0106568 | Al | Krieg et al. | 96-03-2064 |
| 2004-0131628 | Al | Bratzler et al. | 07-08-2004 |
| 2004-0132685 | Al | Krieg et al. | 07-08-2904 |
| 2004-0142469 | Al | Krieg et al. | 07-22-2604 |
| 2004-0143112 | A! | Krieg et a). | 07-22-2004 |
| 2004-0147458 | Al | Krisg et al. | 07-29-2004 |
| 2004-0152649 | Al | Krieg | Q8-05-2004 |
| 2004-0152656 | Al | Krieg et al. | 08-05-2004 |
| 2004-0152657 | IA! | Krieg et al. | 08-05-2004 |
| 2004-0162258 | AI | Krieg et al. | 08-19-2004 |
| 2004-0162267 | Al | Krieg et al. | 08-19-2004 |
| 2004-0167089 | Ai | Krieg et al. | 08-26-2064 |
| 2004-9171150 | Al | Krieg et al. | 69-02-2004 |
| 2004-0171571 | AI | Krieg et al. | 09-02-2004 |
| 2004-0181045 | AI | Krieg et al. | 69-16-2004 |
| 2964-0198686 | | Kateg | 10-07-2004 |

EXAMINER: DATE CONSIDERED 02/17/2008

EXAMPLES, Install if before considered, whether or assistance is a conformance with MPEP 699, Draw like through channes life is a conformance and not considered.

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /E.L./

| | *************************************** | | | | | | |
|--------------------------------------------|-----------------------------------------|---------------------------------------------|---------------------------------------------------|-----------------------------------------|-----------------------------------------|--|--|
| FORM PTO-1449IA and B (modified PTO/SBASS) | | APPLI | CATION NO.: 10/627,331 | ATTY EXECKET | OCKET NO: C1039,76078US08 | | |
| | MATION DISCLOSURE | FILTRO | FILING DATE: July 25, 2003 CONFIRMATION NO.: 4362 | | | | |
| | STATEMENT BY APPLICANT | | APPLICANT: Krieg es al. | | | | |
| Sheet 3 of 1 12 | | GROU | GROUP ART UNIT: 1648 EXAMINES | | Emily M. La | | |
| | | | | | | | |
| | 2904-0198688 | TAI | Krieg et al. | A1 } | 07-200s | | |
| | 2994-0729835 | TAI | Krieg et al. | ······ | 18-2004 | | |
| | 2004-0234512 | † ~ | Wagner et al. | ····· | 25-2004 | | |
| | 2004-0235770 | /// | Davis et al | ~~~~ | 25-2004 | | |
| | 2804-0235774 | 1 Ai | Breizler et al. | ~~~~ | 25-2004 | | |
| | 2804-0235777 | TAI | Wagner et al. | ······································ | *************************************** | | |
| | 2004-0235777 | 1 21 | Wagner et al. | | 25-2004 25-2004 | | |
| | 7004-0266719 | 1/27 | McCluskie et al. | ······· | 30-2804 | | |
| | 2005-0004061 | 1 1 | Kneg et al | ····· | -50-2005 -06-2005 | | |
| | 2605-0604062 | 12: | Krieg et al. | ······································ | ······································ | | |
| | 2003-0004092 | 121 | Krieg et al. | *************************************** | 06-2005 | | |
| | 2005-6032734 | <u> </u> | Davis et al. | | 13-2005 | | |
| | 2003-0032734 | 1 A1 | | ····· | 10-2805 | | |
| | | 1 A1 | Krieg et al. | | 10-2505 | | |
| | 2005-0037403 | + 21 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | *************************************** | 17-2005 | | |
| | 2005-0037985 | | Krieg et al. | *************************************** | 17-7005 | | |
| | 2085-8043529 | <u> </u> | Davis et al. | | -24-2905 | | |
| | 2005-0049215 | <u> </u> | Krieg et al. | | 63-2005 | | |
| | 2605-0949216 | <u> Al</u> | Krieg et al. | | 03-3005 | | |
| | 2005-0054601 | AL | Wagner et al. | | -18-2005 | | |
| | 2005-5054502 | A] | Krieg et al. | | -10-2005 | | |
| | 2005-0059619 | A] | Krieg et al | ~~~~ | -17-2805 | | |
| | 2005-0059625 | Al | Krieg et al. | | -17-266S | | |
| | 2005-0070491 | LAL | Krieg et al. | ······································ | 31-2005 | | |
| | 2005-0075302 | | Huicherson et al. | ····· | 07-2005 | | |
| | 2005-0100983 | A ! | Bauer et al. | ······· | 12-2905 | | |
| | 2005-0101554 | Al | Krieg et al | ····· | 12-2005 | | |
| | 2(405-0101557 | AL | Krieg et al. | | 12-2505 | | |
| | 2005-0119273 | <u> A1</u> | Lipford et al. | | 02-2005 | | |
| | 2005-0123523 | A; | Krieg es al. | *************************************** | 09-2003 | | |
| | 2005-0130911 | Ai | Utilmann et al. | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 16-2005 | | |
| | 2005-0148537 | Al | Krieg et al. | 07/ | 07-2605 | | |
| | 7005-0169888 | A! | Harmus et al. | 80 | 04-2005 | | |
| | 2005-0171047 | Al | Krieg et al. | 08- | 64-2065 | | |
| | 2005-0181422 | A) | Haner et al. | 68- | 18-2005 | | |
| | 2003-0182017 | A) | Krieg | 08- | 18-2605 | | |
| | 2605-0197314 | À: | Krieg et al. | 09- | 68-2605 | | |

EXAMINEE: /E. L. / 92/17/2008

E EAMENTA: Instead if restences considered, whether or not itatus is in confurmance with MPEP hitly Draw has through clearing if not in confurmance and not considered include copy of the form with seat or ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /E.U./

| FORM PTO-1449/A and B (modified PTO/9B/08) | | APPLIC | ATION NO.: 10/627,331 | ATTY: DOCKET NO: - C (039,70078US00 | | |
|--------------------------------------------|------------------|-------------------------|-----------------------------------------|----------------------------------------|--|--|
| | ATION DISCLOSURE | FILING | DATE: July 25, 2003 | CONFIRMATION NO.: 4362 | | |
| STATEMENT BY APPLICANT Sheet 4 of 12 | | APPLICANT: Krieg at al. | | | | |
| | | GROUT | ART UNIT: 1648 | EXAMINER. Emily M Le | | |
| | | | *************************************** | ······································ | | |
| | 2005-0215501 | Al | Lipford et al. | 09-29-2005 | | |
| | 2095-0233995 | (A) | Krieg et al. | 10-20-2005 | | |
| | 2005-0233999 | Al | Krieg et al | 10-20-2005 | | |
| | 2905-0239732 | AI | Krieg et al. | 10-27-2005 | | |
| | 2005-0239733 | AI | Jurk et al. | 10-27-200S | | |
| | 2005-0239734 | (A) | Uhimann et al. | 10-27-2003 | | |
| | 2005-0239736 | A) | Krieg et al. | 10-27-2005 | | |
| | 2085-0244379 | A) | Krieg et al | 11-03-2005 | | |
| ······ | 2905-0244380 | AI | Krieg et al. | 11-03-2005 | | |
| | 2005-0245477 | AI | Krieg et al. | 11-03-2005 | | |
| | 2005-0250726 | Al | Krieg et al. | 11-10-2005 | | |
| | 2005-0256073 | AI | Lipford et al. | 11-17-2905 | | |
| | 2005-0267064 | TAI | Krieg et a), | 12-01-2005 | | |
| | 2905-0277804 | TAI | Krieg et al. | 12-15-2005 | | |
| | 2005-0277609 | TAI | Krieg et al. | 12-15-2005 | | |
| | 2008-9003955 | T A I | Krieg et al. | 01-05-2006 | | |
| | 2006-0003962 | Í Al | Ahkıwaiia et ai. | 01-65-2066 | | |
| | 2006-0019916 | Î Al | Krieg et al. | 01-26-2006 | | |
| | 2008-0019923 | TAI | Davis et al. | 01-26-2006 | | |
| | 2006-0058251 | TAI | Krieg et al. | 03-16-2006 | | |
| | 2006-0089326 | TAI | Krieg et al. | 84-27-2006 | | |
| | 2006-0094683 | Al | Krieg et al. | 05-04-2006 | | |
| | 2006-0146875 | TAI | Krieg et al. | 06-29-3006 | | |
| | 2006-0154890 | TAI | Braizier et al. | 1 07-13-2006 | | |
| | 2006-0172966 | TAI | Lapford et al. | 08-03-2006 | | |
| | 2906-0(88913 | TAI | Krieg et al. | 08-24-2006 | | |
| | 2006-021/639 | AI | Bratzler et et | 09-21-2006 | | |
| | 2006-0211644 | TAI | Krieg e: al. | 09-21-2006 | | |
| | 2006-0229271 | TAI | Krieg et al. | 10-12-2006 | | |
| | 2006-0241076 | TAI | Uliforanci el al. | 10-26-2006 | | |
| | 2006-0246035 | TAI | Ahkıwaiis es al | 11-02-2056 | | |
| | 2006-0286076 | TAI | Hertmane et et. | 12-71-3966 | | |
| | 2006-0287263 | † <u>~</u> | Davis et al. | 12-21-2906 | | |
| | 2007-0009482 | † ``` | Krieg et al. | 01-11-2007 | | |
| | 2697-0010470 | TAI | Krieg et al. | 01-11-2007 | | |
| | 2007-0037767 | AI | Bratzier et si. | 02-15-2007 | | |

| EXAMINER: | DATE CONSIDERED |
|---------------|-----------------|
| 推 .1./ | 02/17/2008 |

^{*} EXAMINIS, Initial if inference considered, whether or pusionise is in conformance with MMTP 60%. They have brough clustom if not in conformation and patients only of this from with MMT community and not considered.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH /E.L./ 1297729 1

| minimized indexible date. (mission | | ar - cono. rome | | |
|--------------------------------------------------------------------------------------------|------------------|-----------------|-------------------|-------------|
| FORM PTO-1449/A and B (modified PTO/SB/08) INFORMATION DISCLOSURE STATEMENT BY APPLICANT | APPLICATION NO : | 10/627,331 | ATTY, DOCKET NO.: | 3 |
| | FILING DATE: | July 25, 2003 | CONFIRMATION NO. | 4362 |
| | APPLICANT: | Krieg et al | | |
| | GROUP ART UNIT! | 1648 | EXAMINER: | Emily M. Le |
| | | | | |

| 2007-0065467 | Αï | Krieg et ai. | 03-22-2007 |
|--------------|----|-----------------|------------|
| 2007-0066553 | Áł | Krieg et ai. | 03-22-2007 |
| 2007-0066554 | Αl | Krieg et al. | 03-22-2007 |
| 2007-0078104 | A3 | Krieg et al. | 94-05-2007 |
| 2007-0129320 | A9 | Davis et al. | 06-07-2007 |
| 2007-0142315 | Ai | Forsbach et al. | 66-21-2007 |
| 2007-0184465 | Al | Wagner et al | 08-09-2007 |
| 2007-0202128 | Ai | Krieg et al. | 08-30-2007 |
| 2607-0224716 | A) | Kneg et al. | 09-27-2007 |
| 2007-0232622 | ۸) | Lipford et al | 16-64-2007 |

POREIGN PATENT DOCUMENTS

| Examiner's Cite | | Foreign Petent Document | | ent | Name of Patenice or Applicant of Circle | Date of Publication of | Translation |
|-----------------|-----|-------------------------|-------------|--------------|--------------------------------------------------|-----------------------------|-------------|
| indials * | No. | Office/ Causary | Number | Kind Code | Oscamen Oscamen | Ched Document MM-DO-YYYY | (Y/N) |
| | * | WO | 99/56755 | AL | University of Iowa Research Foundation | 11-11-1999 | |
| | * | WO | 00/06588 | Al | University of Iowa Research Foundation | 02-10-2060 | |
| | * | WO | 00/14217 | A2 | CPG Immunopharmaceuticals GMBH | 83-16-2000 | |
| | * | wo | 00/67023 | Al | CPG Immunopharmaceuticals GMBH | 11-09-2000 | |
| | | WO | 03/002665 | A2 | Chiron Corporation | 01-09-2003 | |
| | * | WO | 2004/007743 | A2 | Coley Pharmaceutical GMBH | 01-22-2004 | |
| | 8 | WO | 2904/026888 | A2 | Coley Pharmaceutical GMBH | 04-01-2004 | |
| | * | WO | 2004/094671 | A2 | Coley Pharmacoutical GMBH | 11-04-2004 | |
| | | W0 | 2905/064910 | A2 | Intercell Ag | 01-20-2005 | |
| | | WO | 2005/023289 | Al | Intellectual Property Consulting Incorporated | 63-17-2005 | Y Abe |
| | 8 | wa | 2006/080945 | A2 | Coley Pharmaceutical GMBH | 08-03-2006 | |
| | * | WO | 2007/031877 | A2 | Coley Pharmacoutical GMBH | 03-22-2007 | |
| | * | WG | 2007/038720 | A2 | Coley Pharmacoutical GMBH | 04-05-2007 | |

OTHER ART - NON PATENT LITERATURE DOCUMENTS

| - | Examiner's Initials ⁸ | Cáse No | Include name of the author (in CAPITAL LETTERS), tale of the article (when appropriate), tale of the tem (book, magazine, journal, serial, symposium, cmaing, see), date, page(s), volume-issue number(s), publisher, only and/or country where published. | Tractistos (Y/N) | |
|---|-------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--|
| | | * | Press Release, January 2007, "Coley Pharmaceutical Group Updates Hepatitis C Drug Development Strategy". | | |
| | | * | Press Release, June 2007, "Coley Pharmsceusical Group Announces Pfizer's Discontinuation of Clinical Triats for Pt-3512676 Combined with Cytatoxic Chemotherapy in Advanced Non Small Cell Lung Canner". | | |

| EXAMITER: | DATE COPISIDERED. |
|-----------|-------------------|
| Æ.L/ | 02/17/2008 |
| | |

⁴ EXAMINER, Initial of reference consistency, whether on microstries is in conformance with MPEP 609. Draw has through extense if not in conformance and mix consistence include only of time form with that a communication in Application.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /E.L./

| eno-vveu necespi dete. Terrire | JU) | | 100213 | G1 - GMG, 19- |
|--------------------------------------------|------------------|---------------|------------------|-----------------------------------------|
| FORM PTO-1449VA and B (modified PTO/SB/08) | APPLICATION NO.: | 10/627,331 | ATTY, DOCKET NO. | C1039.70078US00 |
| INFORMATION DISCLOSURE | FILING DATE: | July 25, 2003 | CONFIRMATION NO. | 4362 |
| STATEMENT BY APPLICANT | APPLICANT: | Krieg et al. | • | *************************************** |
| Sheet 6 of 12 | GROUP ART UNIT: | 1648 | EXAMINER: | Emily M Le |
| <u> </u> | | | | |

| *************************************** | 7 | AGRAWAL et al., Medicinal chemistry and therapeutic potential of CpG DNA. Trends Mol Med. 2002 Mar;8(3):144-21. | *************************************** |
|-----------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| | | BRANDA et al., B-cell proliferation and differentiation in common variable annumodeficiency patients produced by an autisense oligomer to the rev gene of HIV-1. Clin Immunol Immunopatiol. 1995 May;79(2):115-21. | |
| | * | CHACE et al., fiscrerial DNA-induced NK cell IFN-gamma production is dependent on macrophage secretion of IL-12. Clin Immunol Immunopathol. 1997 Aug.84(2):185-93. | |
| | * | COOPER et al., CPG 7909 adjuvant improves hepatins B virus vaccine seroprotection in antiretroviral-treated HIV-infected adults. AIDS. 2005 Sep 23;19(14):1473-9. | |
| | * | DAV(S et al., CpC DNA overcomes hyporesponsiveness to hepatitis B vaccine in orangotans. Vaccine. 2000 Mer 17;18(18):1920-4. | |
| | | DAYTS et al., CpG ODN is sefe and highly effective in humane as adjuvant to HBV vaccine Preliminary results of Phase I trial with CpG ODN 7989. Third Annual Conference on Vaccine Res. 2000. Abstract \$25, number 47 | |
| | | FIELOS et al., Fields' Virology, 2001;1:1153. | *************************************** |
| | | GRAMZINSKI et al., Immune response to a hepatitis B DNA vaccine in Antus mankeys a compasison of vaccine formulation, route, and method of administration. Mol Med. 1998 Feb;4(2):169-16. | |
| | * | HALPERIN et al., A phase I study of the safety and immunogenicity of recombinant hepatitis B surface antigors co-administered with an immunostimulatory phosphorothioate oligonateleotide addurant. Vaccine 2003 Jun 2,2(1):2022/461-7. | |
| | | HSTEXT et al., Incorporation of CpG oligodeoxynucleotide fails to enhance the projective efficacy of a subunit vinocine against Mycobacterium suberculosis. Vaccine. 2004 Jun 26;22(5-6):655-9. | |
| | * | JACOBSON et al., Early viral response and on treatment response to CpG 19101 (ACTILON TM), in combination with pegylated interferon and/or ribavirin, in chronic HCV genotype I infected patients with prior relapte response, 57th Annual Meeting of American Association for the Study of the Liver Diseases (AASLD), 2006 Oct 30, Boston, Massachusetts, Presented Abstract 896. | |
| *************************************** | | JIAO is at , Enhanced hepatitis C virus NS3 specific Th1 immune responses induced by co-delivery of protein antigen and CoG with cationic liposomes. J Gen Virol. 2004 Jun;85(Pt 6):1545-53. | |
| | * | KATAGKA et al., Immunotherapeutic potential in guinea-pig tumor model of deoxyribocateleic acid from Mycobacterium bovis BCG complexed with poly-L-tysine and carboxymathyloelluloss. Jpn. J Med Sci Biol. 1990 0xt34(5):171-82. | ······· |
| | * | KOVARIK et al., CpG, eligodeoxynucleotides can circumvent the Th2 polarization of neonatal responses to vaccines but may fail to fully redirect Th2 responses established by neonatal priming. J Jinstutnol. 1999 Feb 1;16(27):1611-7. | ••••••••••••••••••••••••••••••••••••••• |
| | * | K.RIEG et al., Lymphocyte activation mediated by oligodeoxynucleotides or DNA containing novel un-methylated CpC motifs. American College of Rhounatology 58* National Seamilfic Meeting. Managaolis, Minnesora, Cotober 22, 1994. Abstracts. Arthritis Rheum; 1994 Sep 370° Suppl). | |
| | * | KRIEG et al., Bacterial DNA or oligonucleorides containing CpG motifs protect mice from lettled L. monocytogenes challenge. 1996 Meeting on Molecular Approaches to the Control of Infectious Diseases, Cold Spring Harbor Laboratory, Espetantier 9-13, 1996-116. | |
| | * | KRIEG et al., Unmethylated CpG DNA protects mice from lethal listeria munocytugenes challenge Vaccines, 1997; 97:77-9 | |
| | | KRIEG et al., Infection, In: McGraw Hill Book, 1996;242-3. | |

| EXAMINER | DATE CONSIDERED: |
|----------|------------------|
| ÆIJ | 92/17/2008 |

^{*}EXAMBLES: Institut of reference considered, whether or reactivation is in conformance with MPEP-699, Draw has through clearly in the conformance and not acceptable learners, copy of the form with next reaction and applicant.

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| ero-web nebelpi bale. 12/17/20 | U ! | | 1004/3 | 31 - GAU: 16- |
|--------------------------------------------|------------------|-----------------------------------------|-------------------|-----------------------------------------|
| FORM FT(1-144WA and B (modified PYO/SB/08) | APPLICATION NO.: | 10/627,331 | ATTY EXICKET NO.: | C1039 70678US00 |
| INFORMATION DISCLOSURE | FILING DATE: | July 25, 2903 | CONFIRMATION NO.: | 4362 |
| STATEMENT BY APPLICANT | APPLICANT: | Krieg et al. | | *************************************** |
| Sheet 7 of 12 | GROUP ART UNIT | 1648 | EXAMINEE | Emily M. Le |
| | | *************************************** | ······ | *************************************** |

| | | *************************************** |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| * | KRIEG et al., Lymphocyte activation by CpG dissurfectible motifs in prokaryotic DNA. Trends: Microbiol. 1996 Feb;4(2):73-6. | |
| * | KRIGO at at., Industrion of systems: THI slike inner immunity in normal volunteers following subcutaneous but not intraveneous administration of CPG 7909; a synthetic D-4/ans CPG oligodeoxymucleotide TLR9 agonist. J Immanother. 2004 Nov-Dec;27(6):466-71. | |
| * | KRIEG, Therapsuic potential of Toll-like receptor 9 activation. Nat Rev Drug Discov. 2006 Jun,5(6):471-84. | |
| * | KULKARNI et al., Effect of dietary nucleotides on response to bacterial infections. IPEN J Parenter Enteral Nistr. 1986 Mar-Apr;10(2):169-71. | |
| * | XURAMOTO et al., Induction of T-cell-mediated immunity against MethA fibrosaccoma by intrahumoral injections of a bacillus Calmente-Guerra nucleic acid fraction. Cancer Immunol immunother, 1992;24(5):283-8. | |
| * | KURAMOTO et al., Changes of host cell infiltration into Meth A fibrousrooms himor during the course of regression induced by injections of a BCG nucleic acid fraction, Int J Immunopharmacol 1992 Jul;14(5):773-82. | *************************************** |
| * | KURAMOTO et al., he situ infiltration of natural Killer-like cells induced by immadermal injection of the nucleic sold fraction from BCG. Microbiol Immunol. 1989;33(11):929-40. | |
| * | LIU et al., Recombinant interleukin-6 protects mine against experimental bacterial infection. Infect Immun. 1992 Oct;60(10):4402-6. | |
| * | MA et al., DNA-based vaccination egainst heparitis C virus (HCV) effect of expressing different forms of HCV E2 protein and use of CpG-optimized vectors in mice. Vaccine. 2002 Sep 10;20(27-28);3263-71. | |
| * | MALANCHERE-BRES et st., CpG oligodeoxynucleotides with hepatitis B surface antigen [HbsAg] for vaccination in HbsAg-transgenic mice. J Virol. 2001 Jul;75(14) 6482-91. | |
| * | MANNS et al., Treating viral hepatisis C: Efficacy, side effects, and complications. Gut 2006 Sep;55(9):1350-9. | |
| | McCLUSKIE et al., CpG DNA as musosal adjuvant. Vaccine. 2900;18; 231-7. | |
| * | McCl.USKIE et al., Oral, intrarectal and intranasal immunizations using CpG and non-CpG offgodeoxynucleotides as adjuvants. Vaccine. 2000 Oct 15;19(4-5):413-22. | |
| * | McCLUSKIE et al., Immunization against hepatitis B virus by mucosal administration of antiger- antibody complexes. Viral Immutol. 1998;11(4):245-52. | |
| * | McCLUSKIE et al., Parenteral and mucosal printe-boost immunization strategies in roice with hepatitis B surface antigen and CpG DNA. FEMS Immunol Med Mitrobiol 2002 Feb 18;32(3):179-85. | |
| * | McHUTCHISON et al., Barly viral response to CpG 10101, in combination with pegylated interferon endlar ribavirin, in chrotic HCV genotype I infected patients with prior relapse response-11" Annual Meeting of European Association for the Study of the Liver (EASL) 2006 April 26-36, Vuenca, Austria, Submitted Abstract. | |
| | McHITCHISON et al., Final results of a multi-censer phase 1B, randomized, placeba-controlled, dose-occalation trial of CpG 19101 in patients with chronic hepatitis C virus. 41° Annual Meeting of European Association for the Sudy of the Liver (EASL) 2006 April 38, Vienna, Austria; Presented Abstract #111. | |

| EXAMINER. | DATE CONSIDERED. |
|-----------|------------------|
| A.L. | 02/17/2008 |

^{*}EXAMINER: Initial streference considered, whether or entricipation as to conformance with MEEP 649, Draw line through classion if fine in conformance and not recentifying the first from soft over commission to Replaced.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /E.L./

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|----------------------------------------------------|------------------|---------------|-----------------------------------------|-----------------|--|
| FORM PTO-1449/A and B (modified PTO/SB-08) | APPLICATION NO.: | 18/627,331 | ATTY DOCKET NO | C1039 70078US00 | |
| INFORMATION DISCLOSURE | FILING DATE: | July 25, 2003 | CONFIRMATION NO. | 4362 | |
| STATEMENT BY APPLICANT | APPLICANT: | Krieg et al. | *************************************** | | |
| Sheer 8 of 12 | GROUP ART UNIT | 1648 | EXAMINER: | Emily M. Le | |
| | | | | | |

| | * | MCFUTCHISON et al., Early clinical results with CpG 10101, a new investigational antiviral TLR9 appoint being developed for treatment of subjects chronically infected with hepatinis C virus, 12th | *************************************** |
|-----------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| | | International Symposium on Viral Hepatitis and Liver Disease (ISVHLD). 2006 July 3, Paris, France; Presented Abstract #O105. | |
| *************************************** | | MESSINA et al., The influence of DNA procture on the in vitre primulation of murine lymphocytes by natural and synthetic polymedeolide antigens. Cell Immunol. 1993 Mar;147(1):148-57. | |
| | * | BLANKIN et al., CpG motif identification for veterinary and laboratory species demonstrates that sequence recognition is highly conserved. Anissense Nucleic Acid Drug Dev. 2001 Oct;11(5):333- 40. | |
| | | RAZ et al., Potential role of immunostimulatory DNA sequences (159) in genetic immunization and suroismunity. ACR Poster Session C. Cytokines and inflammatory Medietors, 1896 Oct 20; Abstract 615. | |
| | * | SATOH et al., The study of mechanisms in CpG digestexynucleotides induced aggravation in merina ellergic comiact dermititis to 2,4-dantrofluorobenzene. Fakushima Igaku Zesehi. 2005,25(2):237-50. | *************************************** |
| | * | SONEHARA et al., Hexamer palindromic aligonacleoides with 5'-CG-1' mouf(e) induce production of interferon. J Interferon Cytokine Res. 1996 Oct;16(10):799-803. | |
| | * | STEIN et al., Problems in interpretation of data derived from in vitro and in vivo use of antisense oligodeoxymucleotides. Antisense Res Dev. 1994 Summer;4(2):67-9 | |
| | * | STEIN et al., Non-anneance effects of oligodeoxynacleolides. Antisense Technology. 1997; chill: 241-64. | *************************************** |
| | * | STE/N et al., Amisense oligonucleotides as therapeutic agents—is the bullet really magical? Science. 1993 Aug 20;261(3124):1004-12. | *************************************** |
| | * | THREADGILL et al., Mitogenic synthetic polynucleosides suppress the antibody response to a bacterial polysaccharide. Vaccine. 1998 Jan; 16(1):76-82. | |
| | * | VERTHELYI et al., CpG oligodeoxynucleotides improve the response to bepatitis B immunization in boalthy and SIV-infected riesus macaques. AIDS, 2004 Apr 30;18(7):1003-8. | *************************************** |
| | * | WAAG et al., Injection of inactivated phase I Coxiella burnetii increases non-specific resisamoe to infection and stimulates (ymphokine production in mice. Ann N Y Acad Sci. 1990;590:203-14. | |
| | * | ZHAO et al., Pattern and kineties of cytokine production following administration of phosphorobiosite oligomacleotides in mice. Antisense Nucleic Acid Drug Dev. 1997 Oct;7(5):495-562. | *************************************** |
| | * | Patent Interference No. 105,171. Iowa Preliminary Motion 3 (for judgment based on failure to comply with 35 U.S.C. 135(b)). (Blectronically filed, unsigned). June 7, 2004. | |
| *************************************** | * | Patent Interference No. 105,171. Iowa Preliminary Motion 4 (for judgment of no interference in fact). (Electronically filed, unsigned). June 7, 2004. | |
| | * | Patent Interference No. 105,171 Iowa Preliminary Motion 5 (for judgment based on lack of enablement). (Electronically filed, unsigned). June 7, 2004. | |
| *************************************** | * | Patent Interference No. 105,171, Iowa Preliminary Motion 6 (for judgment based on lack of adequate written description). (Electronically filed, unsigned). June 7, 2004 | |
| | * | Patent Interference No. 105,171. Iowa Preliminary Musion 7 (motion to redefine interference to designate claims as not corresponding to the Count). (Electronically filed, unsigned). June 7, 2904 | *************************************** |
| | | | |

| EFYAMNED. | DATE CONSIDERED |
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^{*} NAMER: Initial of reference considered, whether or executations in an conformance with MPEP 60P; Draw late, through challon if and in conformance and east consistence, include copy of that forms with and consistence constructions in a Applicate

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /E.L./

| Eno-vven necelhi date. 12/1/20 | U/ | | 100273 | ST - GAULTO |
|--------------------------------------------|-----------------|---------------|-------------------|-----------------------------------------|
| FORM PTO-1449/A and B (modified PTO/5B/98) | APPLICATION NO. | 10/627,331 | ATTY EXICKET NO.: | C1039.70678US00 |
| INFORMATION DISCLOSURE | FILING DATE: | July 25, 2003 | CONFIRMATION NO. | 4362 |
| STATEMENT BY APPLICANT | APPLICANT: | Knieg et al. | | *************************************** |
| Sheet 9 of 12 | GROUP ART UNIT: | 1648 | EXAMINER: | Emily M. Le |

| * | Patent Interference No. 105,171, Iowa Preliminary Motion 8 (contingent motion to redefine the Count). (Electronically filed, unsigned). June 7, 2004. | *************************************** |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| * | Patent interference No. 195,171. Issue Preliminary Musica 9 (motion for benefit of earlier application). (Electronically filed, unsigned) June 7, 2004. | |
| * | Patent interference No. 195,171, Iowa Preliminary Musion 10 (comingent motion to redefine the interference by adding a continuation application). (Electronically filed, unsigned). July 2, 2004. | |
| * | Patent Interference No. 195,171. Regents of the University of California Opposition 3 (to Idwa Preliminary Motion 3 for judgment under 35 USC 135(b)). September 9, 2004. | |
| * | Patent interference No. 195,171. Regents of the University of California Opposition 4 (to lowa Preliminary Motion 4 for judgment of no interference in fact). September 9, 2004. | |
| * | Patent interference No. 195,171. Regents of the University of California Opposition 5 (to lowa Preliminary Motion 5 for indement that UC's claim is not enabled). September 9, 2004. | |
| * | Patent Interference No. 105,171. Regents of the University of California Opposition 6 (to lowa Proliminary Motion 6 for judgment based on lack of adequate written description). September 9, 2004. | |
| * | Patent Interference No. 195,171. Regents of the University of Californic Opposition 7 (to lowal Preliminary Motion 7 to redefine the interference). September 9, 2004. | |
| * | Patent Interference No. 105,171. Regents of the University of California Opposition 8 (to Iowa Preliminary Motion 8 to redefine the Count). September 9, 2094. | |
| * | Patent Interference No. 195,171. Regents of the University of California Response 9 (to Iowa Comingent Motion 9 for benefit). September 9, 2004. | |
| * | Parent Interference No. 105,171. Regents of the University of California Opposition 10 (to lowe Contingent Motion 10 to redefine the interference). September 9, 2004. | *************************************** |
| ` | Patent Interference No. 105,171. Regents of the University of California Opposition 11 (to Iowa Contingent Motion 11 to suppress). October 15, 2004. | |
| * | Patent Interference No. 195,171. Iowa Reply 3 (in support of Iowa Preliminary Motion 3 for judgment under 3S U.S.C. §135(b)) (Electronically filed, unsigned). October 15, 2004. | |
| * | Patent Interference No. 105,171. Iowa Reply 4 (in support of Iowa Preliminary Motion for judgment of no interference in fact) (Electropically filed, unsigned). October 15, 2004. | |
| * | Patent Interference No. 105,171. Jowa Reply 5 (in support of Jowa Preliminary Motion 5 for judgment that UC's claim 205 is not enabled) (Electronically filed, unsigned). October 15, 2004. | |
| | Parent Interference No. 105,171. Inwa Reply 6 (in support of Jowa Preliminary Motion 6 For judgment based on Jack of adequate written description) (Electronically filed, ansigned). October 15, 2004. | |
| * | Patent interference No. 105,171. Iowa Reply 7 (in support of Iowa Preliminary Motion 7 to radefine the interference) (Electronically filed, unsigned). October 15, 2604 | |
| * | Parent Interference No. 105,171, lows Reply 8 (in support of lows Preliminary Motion 8 to redefine the cosm) (Electronically filed, unsigned). October 15, 2004. | |
| * | Patent Interference No. 105,171, fowa Reply 10 (in support of lows Preliminary Motion 10 to redefine the interference) (Electronically filed, unsigned). October 15, 2004. | |
| 8 | Parem Interference No. 105,171, Iowa Reply 13 (in support of Iowa Miscellansous Motion to supports). (Electronically filed, unsigned). October 18, 2004. | |

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|--------------------------------------------|-----------------------------------------|---------------|-----------------------------------------|-----------------|
| FORM PTD-1449/A and B (modified PTO/SW/08) | APPLICATION NO.: | 10/627,331 | ATTY, DOCKET NO | C1039 70078US00 |
| INFORMATION DISCLOSURE | FILING DATE. | July 25, 2003 | CONFIRMATION NO.: 4362 | |
| STATEMENT BY APPLICANT | APPLICANT: | Krieg et al. | *************************************** | |
| Starce 16 of 12 | GROUP ART UNIT: | 1648 | EXAMINER: | Emily M. Le |
| | *************************************** | | | |

| | × | Patent Interference No. 103,171. Regents of the University of California Preliminary Statement. June 7, 2004. | *************************************** |
|-----------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| | * | Patent Interference No. 105,171. Regants of the University of California Preliminary Monton 1 (to the designate additional claums of lowe patent as corresponding to the Courty. June 7, 2004. | |
| | 8 | Patent interference No. 105,17). Regents of the University of California Preliminary Motion 2 (for judgment based on lack of written description support and introducing new matter). June 7, 2004. | |
| | * | Patent Interference No. 105,171. Regents of the University of California Preliminary Motion 3 (for indigment based on anticipation). June 7, 2004. | |
| | * | Parent Interference No. 105,171. Regents of the University of California Preliminary Motion 4 (for independent based on obviousness), June 7, 2004. | |
| *************************************** | | Patent Interference No. 105,171. Regents of the University of California Preliminary Motion 5 (for judgment bases on anticipation). June 7, 2004. | *************************************** |
| | | Patent Interference No. 105,171. Regents of the University of California Preliminary Motion 6 (for judgment based on inequitable condust). June 7, 2004. | |
| | * | Patent Interference No. 105,171. Regents of the University of California Contingent Prehimmary Motion 7 (for benefit of an earlier application under 37 CFR 1.6336j), July 2, 2004. | |
| | * | Patent Interference No. 105,171. Regents of the University of California Contingent Preliminary Motion 8 (to add additional claims under 37 CFR 1.633(c)(2) and (i)). July 2, 2004. | |
| *************************************** | | Amended Claims for Application Number 09/265,191, filed March 10, 1999. | *************************************** |
| *************************************** | * | Parent Interference No. 103,171. Iowa Opposition 1 (opposition to motion to designate additional claims as corresponding to the Count) (Electronically filed, unsigned). September 9, 2004. | |
| | * | Patent Interference No. 105,171. Iowa Opposition 2 (opposition to notion for judgment based on lack of written description support and introducing new matter) (Electronically filed, unsigned). September 9, 2004. | |
| | * | Patent Interference No. 105, 171. lowa Opposition 3 (opposition to motion for judgment based on anticipation) (Electronically filed, unsugned). September 9, 2004. | *************************************** |
| | * | Petent interference No. (65,171, lows Opposition 4 (opposition to motion for judgment based on ottviousness) (Electronically filed, unsigned). September 9, 2004. | |
| | 8 | Patent Interference No. 105,171. Iowa Opposition 5 (opposition to motion for judgment based on anneignation) (Electronically filed, unsigned). September 9, 2004. | |
| | * | Peters interference No. 105,171. Iowa Opposition 6 (opposition to motion for judgment based on inequiable conduct) (Electronically filed, unsigned). September 9, 2004. | |
| | * | Petent Interference No. 105,171. Iowa Opposition 7 (opposition to motion for benefit of an earther application under 7 CFR 1.633(j)) (Electronically filed, unsigned). September 9, 2004. | |
| | * | Petent interference No. 105,171. Jova Opposition 8 (opposition to motion to add additional clauns under 37 CFR 1.633 (2) and (j)) (Electronically filed, ansigned). September 9, 2004. | *************************************** |
| | * | Petent Interference No. 105,171. Begens of the University of Cahfornia Repty 1 (to lowa's opposition to I/C's motion to designate Inwa claims as corresponding to the Coum). October 15, 2004. | |
| | * | Patent Interference No. 105,171. Regents of the University of California Reply 2 (to lowa's apposition to UC Preliminary Motion 2 for Judgment). October 15, 2694. | *************************************** |
| *************************************** | * | Patent interference No. 105,171, Regents of the University of California Reply 3 (to Iowa's Opposition to UC Preliminary Medion 3 for Judgment), October 15, 2004. | *************************************** |
| | | | |

| EXAMINER: | DATE CONSIDERED: |
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^{*} NOMENTAL Initial of reference considered, whether or noncitiering is an encironment with MPEP (UP). Uses line through chance if not an conformance with non-considered, initial copy of this form with acts conformance in conformance in the Company of the form with acts conformance with non-conformal initial conformal initial conformal

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|--------------------------------------------------|-----------------|---------------|-------------------|-----------------------------------------|
| FORM PTG-1449/A and B (modified PTG/SB/08) | APPLICATION NO: | 10/627,333 | ATTY DOCKET NO.: | C1039.70078US00 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | FILING DATE. | July 25, 2003 | CONFIRMATION NO.: | 4362 |
| | APPLICANT: | Krieg et al. | | *************************************** |
| | GROUP ART UNIT: | 1648 | EXAMINER. | Emily M. Le |

| | *************************************** | Patent Interference Fig. 103,171, Regents of the University of California Reply 4 (to Jowa's | •••••• |
|-----------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------|
| | | Opposition to UC Preliminary Motion 4 for Judgment), October 15, 2004. | - |
| *************************************** | *************************************** | Patent Interference No. 105,171. Regents of the University of California Reply 5 (to Iowa's | |
| | | Opposition to UC Preliminary Morion 5 for Judgment), October 15, 2004. | |
| *************************************** | *************************************** | Patent Interference No. 105,171, Regents of the University of California Reply 6 (to Iowa's | |
| | | opposition to UC Preliminary Motion 6 for judgment). October 15, 2004 | |
| ****************** | | Patent Interference No. 105,171, Regents of the University of California Reply 7 (to Iowa's | |
| | | Opposition to UC Preliminary Mexica 7 for Benefa), October 15, 2004. | |
| ************* | * | Parent Interference No. 185,171. Regents of the University of California Reply & (to Iowa's | |
| | | Opposition to UC Preliminary Motion 8 to add additional claims). October 15, 2004. | |
| *************************************** | *************************************** | Patent Interference No. 185,171. Decision on Motion under 37 CFR §41.125. March 10, 2005. | |
| | | Patent Injerference No. 105,171. Judgment and Order, March 10, 2005. | |
| | | Patent Interference No. 105,171: Regents of the University of Cabifornia, Brief of Appellant, July 5. | |
| | | 2085 | |
| | * | Patent Interference No. 105,171. University of Iowa and Coley Pharmaceutical Grosp, Inc. Brief of | |
| | | Appellars, August 17, 2005. | |
| ***************** | * | Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. | |
| | | September 6, 2005. | |
| | ······································ | Patent Interference No. 105,171. Regents of the University of California. Decision of CAPC, July | |
| | | 12, 2066. | |
| | | Fatent Interference No. 105,526, Krieg Substantive Motion I (for unpatentability based on | |
| | | interference estopped) (Electronically filed, unsigned). | |
| | | Fatern Interference No. 105,526 Krieg Substantive Motion 2 (for judgment based on inedequate | |
| | - | written description and/or enablement). (Electronically filed, unsigned). June 18, 2007. | |
| | | Patent Interference No. 105,526, Krieg Contingent Responsive Motion (to add new claims 164 and | |
| | | 1051. (Electronically filed, unsigned). July 25, 2007. | |
| | | Patent Interference No. 105,526. Krieg Substantive Motion 3 (for judgment based on prior art). | *************************************** |
| | | (Electronically filed, unsigned). June 18, 2007. | |
| | | Patent Interference No. 105,526, Raz Motion 1 (Unpatentability of Krieg Claims under 35 U.S.C. 4 | *************************************** |
| | | 112, First Paragraph), (Electronically filed, unsigned), June 18, 2007. | |
| | | Patent Interference No. 105,526. Raz Morion 2 (Raising a Threshold Issue of No Interference-in- | ************ |
| | | Fact), (Electronically filed, unsigned), June 18, 2007. | |
| | | Pagent Interference No. 105,526. Raz Motion 3 (Krieg's Claims are Unpatentable Over Prior Art | *************************************** |
| | | Under 35 U.S.C. § 102(b)) (Electronically filed, unsigned). June 18, 2007. | |
| | | Patent Interference No. 105.526. Haz Mintion 4/To Designate Krieg Claims 46 and 82-84 as | *************************************** |
| | | Corresponding to Count 1). (Electronically filed, unsigned). June 18, 2007. | |
| | | Pajent Interference No. 185,526. Raz Responsive Miscellaneous Motion 5 (To revive the Raz | |
| | | Parent Application) (Electronically filed, unsigned) July 25, 2007 | |
| | | Pajent Interference No. 105,526. Raz Contingent Responsive Motion 6 (To Add a New Claim 58) | |
| | | (Electronically filed, unsigned) July 25, 2007. | |
| | | | |
| | 1 | Patent Interference No. 105,526 Krieg Opposition I (Opposition to Motion for Lack of Enablement | |
| | | and Written Description) (Electronically filed, unsigned) September 16, 2007. | |
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| EXAMINER. JELJ | DATE CONSIDERED: 19/1 7/2008 |
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| erS-Web Hecelpi date: 12/1//2007 | | | 106273 | 31 - GAU! 164 |
|--------------------------------------------|-----------------------------------------|---------------|-------------------|-----------------|
| FORM PTG-1449/A and B (modified PTO/98/08) | APPLICATION NO. | (0/627,33) | ATTY, DOCKET NO.: | C1039.70078US66 |
| INFORMATION DISCLOSURE | FILOWG DATE: | July 25, 2003 | CONFIRMATION NO.: | 4362 |
| STATEMENT BY APPLICANT | APPLICANT. | Krieg et al. | | |
| Shees 12 of 12 | GBOLIP ART UNIT: | 164R | EXAMINER | Emily M. (.e |
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| | * | Patent Interference No. 165,526. Krieg Opposition 2 (to Raz Motion 2) (Electronically filed, | |
|-----------------------------------------|---|--------------------------------------------------------------------------------------------------|-----------------------------------------|
| | i | msigned) September 10, 2007. | |
| | * | Patent interference No. 105,526. Kneg Opposition 3 (To Rax Motion 3) (Electronically filed, | *************************************** |
| | | unsiged) September 10, 2007. | |
| | 8 | Patent Interference No. 105,526. Krieg Opposition 4 (Opposition to Morion for Designating Claims | |
| | | 46 and 82-84 as Corresponding to the Court) (Electronically filed, unsigned) September 10, 2007 | |
| | * | Fatent Interference No. 105,576. Krieg Opposition 6 (Opposition to Raz Contingent Responsive | |
| | | Motion 6) (Electronically filed, unsigned) September 10, 2007 | |
| | * | Patent Interference No. 105,576. Raz Opposition 1 (Opposing Krieg Substantive Motion 1) | |
| | | (Electronically filed, unsigned) September 10, 2907. | |
| | * | Patent Interference No. 105,526. Raz Opposition 2 (Opposing Krieg Substantive Motion 2) | |
| ************ | | (Exertanically filed, unstaned) September 10, 2007. | |
| | * | Patent Interference No. 105,526. Raz Opposition 4 (Opposing Krieg Contingent Responsive Motion | |
| *************************************** | | to Add New Claims 104 and 105) (Electronically filed, unsigned) September 10, 2007. | |
| | | Patent Interference No. 105,526. Krieg Reply I (Reply to Raz opposition 1) October 5, 2007 | |
| | * | Fatent Interference No. 195,526. Krieg Reply 2 (Reply to Faz apposition 2) October 5, 2807 | |
| | * | Patent Interference No. 185,526. Kring Reply 4 (Reply to Raz opposition 4) October 5, 2007 | |
| | R | Patent Interference No. 105,526. Raz Reply 1 (Reply to Krieg opposition 1) October 5, 2007 | |
| | * | Fatent Interference No. 105,526. Raz Reply 2 (Reply to Krieg opposition 2) October 5, 2007 | |
| | * | Patent Interference No. 105,526. Raz Repty 3 (Repty to Krieg appeartion 3) October 5, 2007 | |
| | * | Patens inserference No. 105,526. Raz Reply 4 (Reply to Krieg opposition 4) October 5, 2007 | *************************************** |
| *************************************** | * | Patent Interference No. 105,826. Raz Reply 6 (Reply to Krieg opposition 6) October 5, 2007 | |
| | 4 | Princet Interference No. 105,526. Krieg Miscellaneous Motion 5 (To exclude exhibits 2065, 2070, | |
| | | 2071, 2672, 2073, 2074, 2075, 2076 and 2078) October 9, 2007. | |
| | * | Patent Interference No. 185,526. Baz Opposition 5 (Opposing Kring Miscellineous Motion 5) | |
| | | October 25, 2007. | |
| , | * | Patent Interference No. 105,526. Rax Miscellaneous Motion 7 (To exclude syldence) October 19, | |
| | | 2607 | |
| | * | Patent Interference No. 105,326 Krieg Opposition 7 (To Raz Miscellaneous Motion 7) October 25, | |
| | 1 | 2507 | |
| | * | Patent Interference No. 105,526. Kring Reply 5 (Reply to Raz opposition 5) October 30, 2007. | |
| | * | Patent Interference No. 105,526. Raz Reply 7 (Reply to Krieg opposition 7) October 30, 2007. | |

*a copy of this reference is not provided as it was previously cited by or salamited to the office in a prior application, Serial No. 997030,319, filed July 31, 2000 endror 16/187,489, filed July 2, 2002, and resign apon for an earlier filing due under 35 U.S.C. 129 (communion, nontinishin-in-part, and divisional apolications)

(NOTE -No copies of U.S. patents, published U.S. patent applications, or pending, unpublished potent applications stated in the USFTO's longer. Fit Wrapper (If W) a system, an included, See 3 Or (If 8) 28 and 128700(16) Capies of will other patently, published (I.S. patent pending U.S. patent applications; or nature fortunation littled are particulated by the context of the provident of the provident of the provident of the provident of the patently and the provident of the provident of the patently and the patently application and the profile useful of TeV 41/18, we 20) the context explication as relied input for an earlier filling due made: 35 U.S.C. §120.]

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^{*} EXAMINER; initial if a ference considered, whether or uncertains at a conformance with MPEP 609; Deaw Los through cluston if not an conformance and is a considered. ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. JE L./